



Flow Chart for 42in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM		Head (feet)	MGD	CFS	GPM
0.15					0.55	1.6301	2.5221	1,132.0
0.16					0.56	1.6799	2.5992	1,166.6
0.17					0.57	1.7303	2.6772	1,201.6
0.18	0.25159	0.38926	174.71		0.58	1.7814	2.7562	1,237.1
0.19	0.27622	0.42737	191.82		0.59	1.8331	2.8362	1,273.0
0.20	0.30161	0.46666	209.45		0.60	1.8854	2.9172	1,309.3
0.21	0.32775	0.50711	227.61		0.61	1.9384	2.9991	1,346.1
0.22	0.35464	0.54871	246.28		0.62	1.9920	3.0821	1,383.3
0.23	0.38227	0.59146	265.47		0.63	2.0462	3.1660	1,421.0
0.24	0.41063	0.63534	285.16		0.64	2.1011	3.2509	1,459.1
0.25	0.43972	0.68035	305.36		0.65	2.1566	3.3368	1,497.7
0.26	0.46954	0.72648	326.07		0.66	2.2128	3.4237	1,536.7
0.27	0.50007	0.77372	347.27		0.67	2.2696	3.5116	1,576.1
0.28	0.53131	0.82207	368.97		0.68	2.3270	3.6005	1,616.0
0.29	0.56327	0.87150	391.16		0.69	2.3851	3.6903	1,656.3
0.30	0.59592	0.9220	413.83		0.70	2.4439	3.7812	1,697.1
0.31	0.62927	0.9736	437.00		0.71	2.5032	3.8731	1,738.4
0.32	0.66332	1.0263	460.64		0.72	2.5633	3.9659	1,780.0
0.33	0.69806	1.0801	484.76		0.73	2.6239	4.0598	1,822.2
0.34	0.73348	1.1349	509.36		0.74	2.6852	4.1547	1,864.8
0.35	0.76958	1.1907	534.43		0.75	2.7472	4.2506	1,907.8
0.36	0.80636	1.2476	559.97		0.76	2.8098	4.3475	1,951.3
0.37	0.84381	1.3056	585.98		0.77	2.8731	4.4454	1,995.2
0.38	0.88194	1.3646	612.46		0.78	2.9371	4.5443	2,039.6
0.39	0.9207	1.4246	639.39		0.79	3.0017	4.6443	2,084.5
0.40	0.9602	1.4856	666.79		0.80	3.0669	4.7453	2,129.8
0.41	1.0003	1.5477	694.65		0.81	3.1329	4.8473	2,175.6
0.42	1.0411	1.6108	722.97		0.82	3.1995	4.9503	2,221.9
0.43	1.0825	1.6749	751.74		0.83	3.2668	5.0544	2,268.6
0.44	1.1246	1.7400	780.96		0.84	3.3347	5.1596	2,315.8
0.45	1.1673	1.8061	810.64		0.85	3.4034	5.2658	2,363.4
0.46	1.2107	1.8732	840.77		0.86	3.4727	5.3730	2,411.6
0.47	1.2547	1.9414	871.35		0.87	3.5427	5.4813	2,460.2
0.48	1.2994	2.0105	902.37		0.88	3.6134	5.5907	2,509.3
0.49	1.3447	2.0806	933.8		0.89	3.6847	5.7011	2,558.8
0.50	1.3907	2.1517	965.8		0.90	3.7568	5.8126	2,608.9
0.51	1.4373	2.2238	998.1		0.91	3.8296	5.9252	2,659.4
0.52	1.4845	2.2969	1,030.9		0.92	3.9030	6.0389	2,710.4
0.53	1.5324	2.3710	1,064.2		0.93	3.9772	6.1537	2,762.0
0.54	1.5809	2.4461	1,097.9		0.94	4.0521	6.2695	2,814.0

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0.95	4.1277	6.3865	2,866.5	1.35	7.7827	12.042	5,404.7
0.96	4.2040	6.5046	2,919.5	1.36	7.8910	12.209	5,479.9
0.97	4.2811	6.6238	2,973.0	1.37	8.0002	12.378	5,555.7
0.98	4.3588	6.7441	3,027.0	1.38	8.1103	12.548	5,632.1
0.99	4.4373	6.8655	3,081.5	1.39	8.2212	12.720	5,709.2
1.00	4.5165	6.9881	3,136.5	1.40	8.3331	12.893	5,786.9
1.01	4.5965	7.1118	3,192.0	1.41	8.4458	13.068	5,865.1
1.02	4.6772	7.2367	3,248.0	1.42	8.5594	13.243	5,944.1
1.03	4.7586	7.3627	3,304.6	1.43	8.6740	13.421	6,023.6
1.04	4.8408	7.4898	3,361.7	1.44	8.7894	13.599	6,103.7
1.05	4.9238	7.6182	3,419.3	1.45	8.9057	13.779	6,184.5
1.06	5.0075	7.7477	3,477.4	1.46	9.0229	13.960	6,265.9
1.07	5.0919	7.8784	3,536.1	1.47	9.1410	14.143	6,347.9
1.08	5.1771	8.0102	3,595.2	1.48	9.2601	14.327	6,430.6
1.09	5.2631	8.1433	3,655.0	1.49	9.3800	14.513	6,513.9
1.10	5.3499	8.2775	3,715.2	1.50	9.5008	14.700	6,597.8
1.11	5.4375	8.4130	3,776.0	1.51	9.623	14.888	6,682.3
1.12	5.5258	8.5497	3,837.3	1.52	9.745	15.078	6,767.5
1.13	5.6149	8.6875	3,899.2	1.53	9.869	15.269	6,853.3
1.14	5.7048	8.8266	3,961.7	1.54	9.993	15.462	6,939.8
1.15	5.7955	8.9670	4,024.7	1.55	10.119	15.656	7,026.9
1.16	5.8870	9.1085	4,088.2	1.56	10.245	15.851	7,114.6
1.17	5.9793	9.2514	4,152.3	1.57	10.372	16.048	7,203.0
1.18	6.0724	9.3954	4,217.0	1.58	10.500	16.247	7,292.0
1.19	6.1663	9.541	4,282.2	1.59	10.629	16.446	7,381.6
1.20	6.2611	9.687	4,348.0	1.60	10.759	16.647	7,471.9
1.21	6.3566	9.835	4,414.3	1.61	10.890	16.850	7,562.8
1.22	6.4530	9.984	4,481.3	1.62	11.022	17.054	7,654.3
1.23	6.5502	10.135	4,548.8	1.63	11.155	17.259	7,746.5
1.24	6.6483	10.286	4,616.9	1.64	11.289	17.466	7,839.3
1.25	6.7472	10.439	4,685.5	1.65	11.423	17.674	7,932.8
1.26	6.8469	10.594	4,754.8	1.66	11.559	17.884	8,026.8
1.27	6.9474	10.749	4,824.6	1.67	11.695	18.095	8,121.6
1.28	7.0488	10.906	4,895.0	1.68	11.832	18.307	8,216.9
1.29	7.1511	11.064	4,966.0	1.69	11.971	18.521	8,312.9
1.30	7.2542	11.224	5,037.6	1.70	12.110	18.737	8,409.5
1.31	7.3582	11.385	5,109.8	1.71	12.250	18.953	8,506.8
1.32	7.4630	11.547	5,182.6	1.72	12.391	19.171	8,604.7
1.33	7.5687	11.711	5,256.0	1.73	12.533	19.391	8,703.2
1.34	7.6753	11.875	5,330.0	1.74	12.675	19.612	8,802.3

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1.75	12.819	19.834	8,902.1	2.16	19.429	30.061	13,492
1.76	12.964	20.058	9,002.5	2.17	19.606	30.334	13,615
1.77	13.109	20.283	9,103.5	2.18	19.783	30.609	13,738
1.78	13.255	20.509	9,205.1	2.19	19.961	30.885	13,862
1.79	13.403	20.737	9,307.4	2.20	20.140	31.161	13,986
1.80	13.551	20.966	9,410.2	2.21	20.319	31.438	14,111
1.81	13.700	21.197	9,513.7	2.22	20.499	31.717	14,235
1.82	13.850	21.428	9,617.8	2.23	20.680	31.996	14,361
1.83	14.000	21.662	9,722	2.24	20.861	32.276	14,486
1.84	14.152	21.896	9,828	2.25	21.042	32.557	14,613
1.85	14.304	22.132	9,934	2.26	21.224	32.839	14,739
1.86	14.458	22.369	10,040	2.27	21.407	33.121	14,866
1.87	14.612	22.608	10,147	2.28	21.590	33.405	14,993
1.88	14.767	22.848	10,255	2.29	21.774	33.689	15,121
1.89	14.923	23.089	10,363	2.30	21.958	33.974	15,249
1.90	15.080	23.332	10,472	2.31	22.143	34.260	15,377
1.91	15.237	23.576	10,581	2.32	22.328	34.547	15,506
1.92	15.396	23.821	10,691	2.33	22.514	34.834	15,635
1.93	15.555	24.067	10,802	2.34	22.700	35.122	15,764
1.94	15.715	24.315	10,913	2.35	22.887	35.411	15,893
1.95	15.876	24.563	11,025	2.36	23.074	35.700	16,023
1.96	16.037	24.814	11,137	2.37	23.261	35.991	16,154
1.97	16.200	25.065	11,250	2.38	23.449	36.281	16,284
1.98	16.363	25.318	11,363	2.39	23.638	36.573	16,415
1.99	16.527	25.571	11,477	2.40	23.826	36.865	16,546
2.00	16.692	25.826	11,592	2.41	24.016	37.158	16,678
2.01	16.858	26.083	11,707	2.42	24.205	37.451	16,809
2.02	17.024	26.340	11,822	2.43	24.395	37.745	16,941
2.03	17.191	26.599	11,938	2.44	24.586	38.040	17,073
2.04	17.359	26.858	12,055	2.45	24.776	38.335	17,206
2.05	17.528	27.119	12,172	*For points listed below please see footnote 1.			
2.06	17.697	27.381	12,290	2.46	24.967	38.630	17,339
2.07	17.867	27.644	12,408	2.47	25.159	38.927	17,471
2.08	18.038	27.909	12,526	2.48	25.351	39.223	17,605
2.09	18.209	28.174	12,645	2.49	25.543	39.521	17,738
2.10	18.381	28.440	12,765	2.50	25.735	39.818	17,872
2.11	18.554	28.708	12,885	2.51	25.928	40.117	18,006
2.12	18.728	28.976	13,005	2.52	26.121	40.415	18,140
2.13	18.902	29.246	13,126	2.53	26.315	40.715	18,274
2.14	19.077	29.517	13,248	2.54	26.508	41.014	18,409
2.15	19.253	29.788	13,370	2.55	26.702	41.315	18,543

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2.56	26.897	41.615	18,678		2.95	34.706	53.698	24,101
2.57	27.091	41.916	18,813		2.96	34.914	54.021	24,246
2.58	27.286	42.218	18,949		2.97	35.124	54.344	24,391
2.59	27.481	42.520	19,084		2.98	35.333	54.669	24,537
2.60	27.677	42.822	19,220		2.99	35.544	54.994	24,683
2.61	27.872	43.125	19,356		3.00	35.755	55.321	24,830
2.62	28.068	43.428	19,492		3.01	35.967	55.650	24,977
2.63	28.265	43.732	19,628		3.02	36.180	55.979	25,125
2.64	28.461	44.036	19,765		3.03	36.394	56.310	25,274
2.65	28.658	44.340	19,901		3.04	36.609	56.642	25,423
2.66	28.855	44.645	20,038		3.05	36.824	56.976	25,573
2.67	29.052	44.950	20,175		3.06	37.041	57.311	25,723
2.68	29.250	45.256	20,312		3.07	37.259	57.648	25,874
2.69	29.448	45.562	20,450					
2.70	29.646	45.869	20,587					
2.71	29.844	46.176	20,725					
2.72	30.043	46.483	20,863					
2.73	30.242	46.791	21,001					
2.74	30.441	47.099	21,139					
2.75	30.640	47.407	21,278					
2.76	30.840	47.716	21,417					
2.77	31.040	48.026	21,556					
2.78	31.240	48.336	21,695					
2.79	31.441	48.646	21,834					
2.80	31.642	48.957	21,974					
2.81	31.843	49.269	22,113					
2.82	32.045	49.581	22,253					
2.83	32.247	49.894	22,394					
2.84	32.450	50.207	22,534					
2.85	32.652	50.521	22,675					
2.86	32.856	50.835	22,816					
2.87	33.059	51.150	22,958					
2.88	33.263	51.466	23,099					
2.89	33.468	51.782	23,242					
2.90	33.673	52.100	23,384					
2.91	33.878	52.418	23,527					
2.92	34.084	52.736	23,670					
2.93	34.291	53.056	23,813					
2.94	34.498	53.377	23,957					

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